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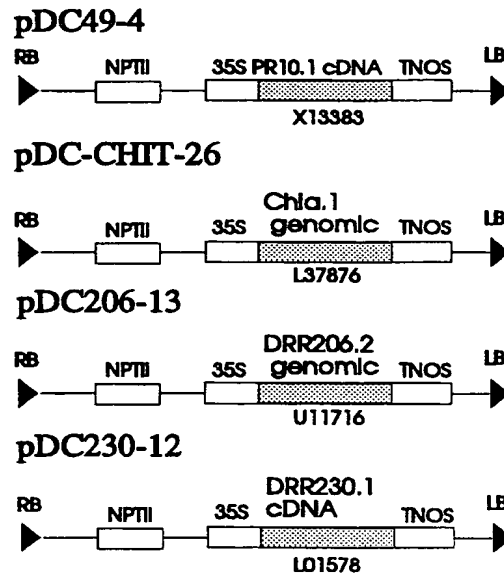


FIGURE 1

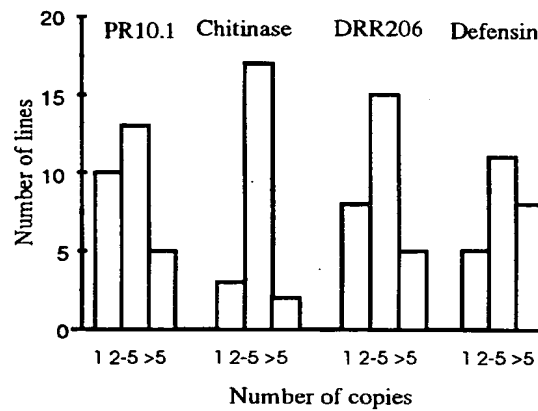


FIGURE 2

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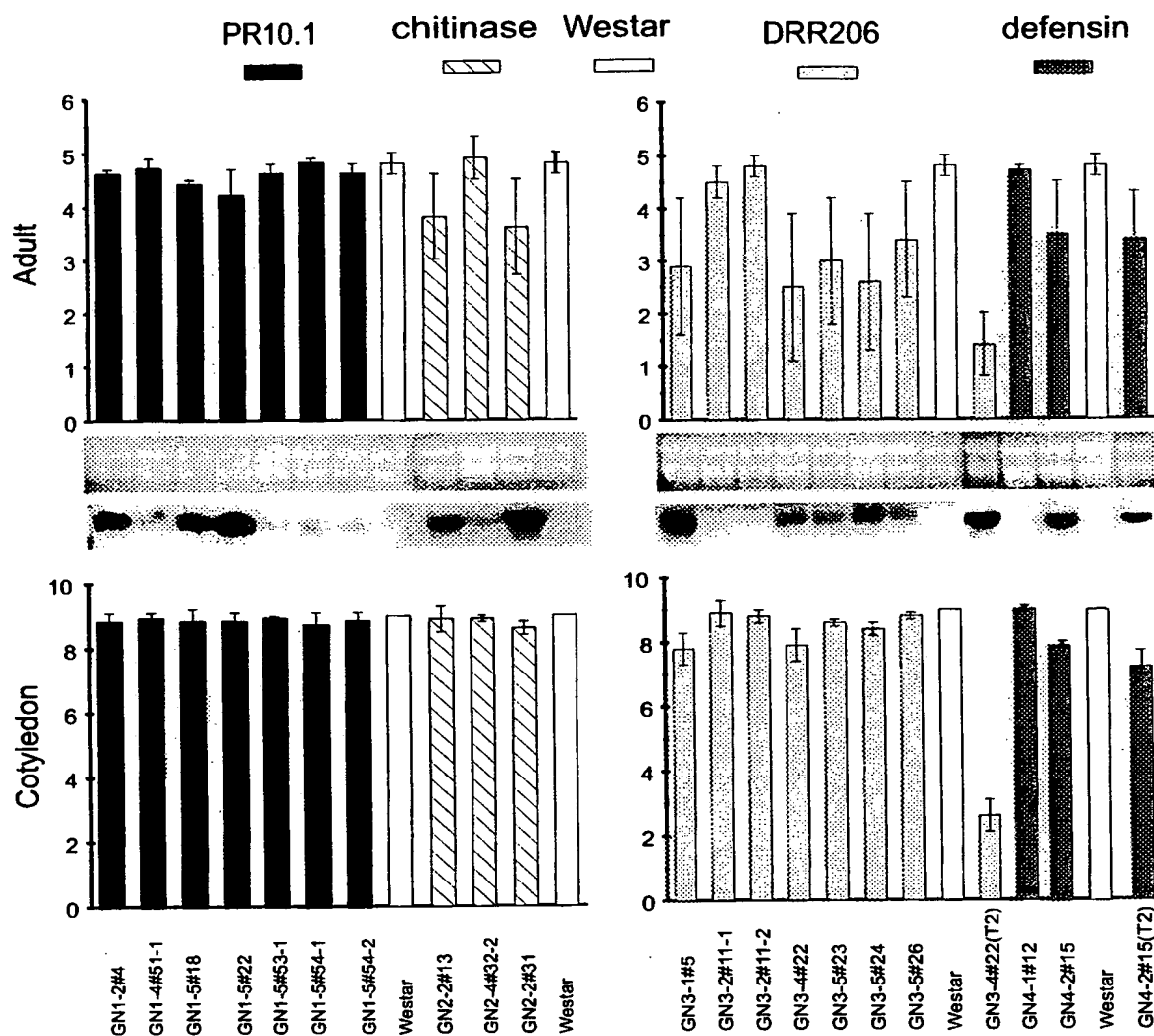


FIGURE 3

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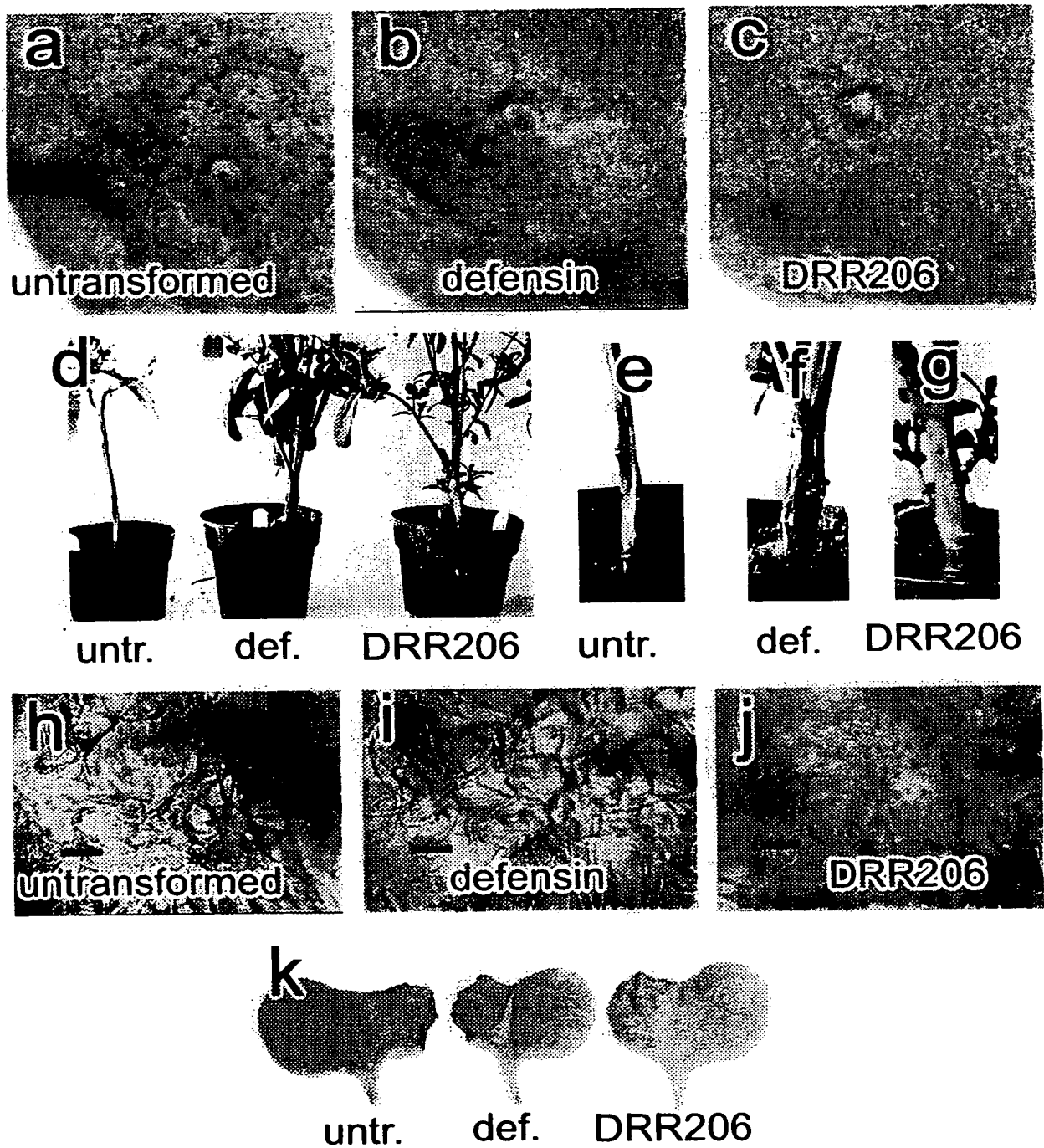


FIGURE 4

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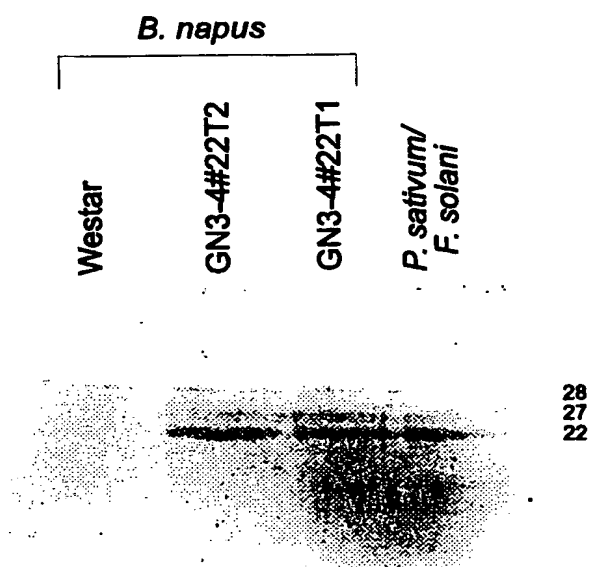


FIGURE 5

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Drr206-transformed or untransformed B.napus
inoculated with L.maculants

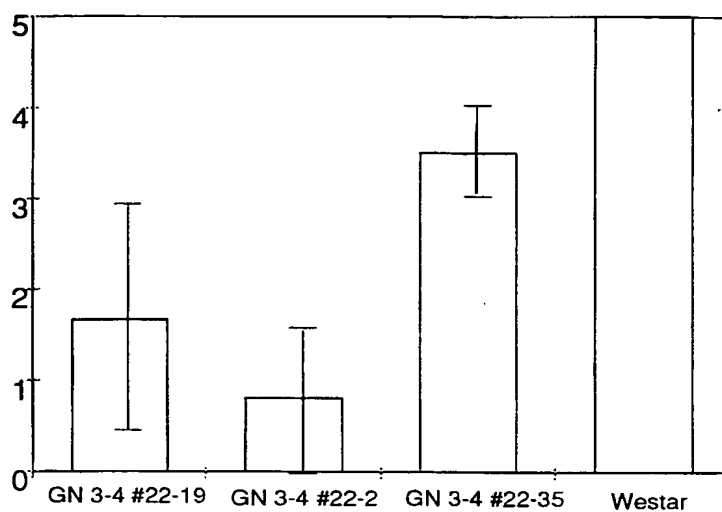


Figure 6

Drr206-transformed or untransformed B. napus
inoculated with Sclerotinia sclerotiorum

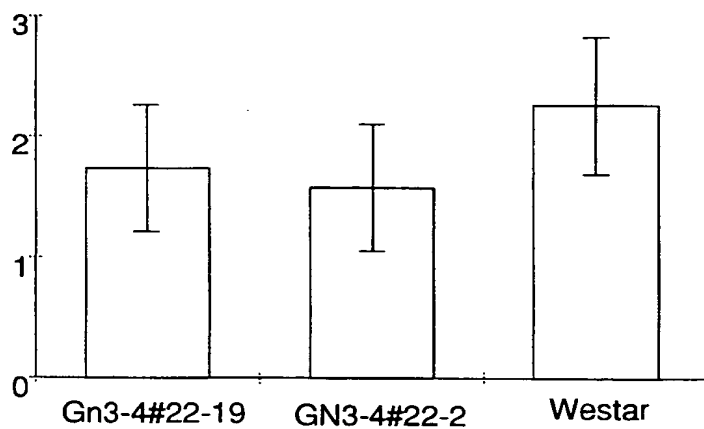


Figure 7

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DRR206c genomic sequence, GenBank accession number AF115574
Protein coding sequence is shown in translation.

| | | | | | | |
|-------------|------------|------------|-------------|-------------|------------|------|
| TCGAGTTTGA | ATATTGTGTT | TAATAAATTT | ATACAGAGTT | TCGTTTGATT | TTATTTAAAT | 60 |
| CTTCTAGATA | TTGAGTTGAG | TTACTCAATA | AATTTTTC | TCCGTCTTCC | ATTGAATTTT | 120 |
| TCGGTCATAA | GGGTAAAGTA | GTTAAAAAAA | AGAAAAATAAT | TATGACAGAG | ATATTGAGTT | 180 |
| GTTAATATAT | ATATATATAT | ATATATATAT | ATATATATAT | ATATATATAT | ATATATATAT | 240 |
| ATATATATAT | ATATTTTTTT | TTGTGTGTGT | GAAAAATTTAA | AAAAATAAAAG | AATAAATATT | 300 |
| ATATAGAGAA | AATGAATTTA | TAAGAGATGT | GATTCATTTT | TCTATTGTTT | TACGGTTTTT | 360 |
| TTTCGATGAAT | ATCTAATGTT | AATGTCTCTT | AAATCTCGAA | TGATTGTCTT | ATCGATATTT | 420 |
| ATGGATCTCA | CTCTTCGAAG | TCTCCAATGG | TATAAGAGTT | CTGTTGTTAA | ATTTTGGTGA | 480 |
| ATACACCTTT | ACACGTCTCA | TTTGTCAAGT | CCTAGATGTT | AGGGAGTGTG | TTAAAAGTGT | 540 |
| CGGTATTTAA | CATTATATAT | TTAAAATATT | TTATAAATCG | GATAACTCAT | CGGTCTACAA | 600 |
| ATCAATTTTG | TAGAGTTGAA | TTACATTCGA | TCACATTTT | AAAATATATA | TTTTTTAAAT | 660 |
| TAAATTTAAT | ATTTTGGGAG | ATAAAACATT | AGTATTTAACT | AAAATTCTAT | ACAATTAAC | 720 |
| AATTTGAGAA | AAAATTAATT | AATAGATCAC | ATAGCCACCT | TACCTCATTG | GACTAAACGT | 780 |
| CAAGGTCTTC | TAAGAGAATT | TGAGTTACAT | CACACCCCAA | AATTTTAATT | TAATAAATAT | 840 |
| TTATTATATT | TGTCTTATAT | ATCTTACAAT | TTTTTATTAG | ATTCTTTGAA | AGAAAAATAA | 900 |
| ATAAGTTTGA | ATTGTTTTCA | AATAAATTAA | ATTAAGATTT | TTCTTCTTCT | CTTATAAAAG | 960 |
| GGCAATACAA | CCATAGTCTA | AACCAAATCC | TTCCACTCCT | TCTTTACTTT | CAAGTTCCAA | 1020 |
| TAGCTAAGTA | ATAAAATGGG | TTCCAAACTT | CCAGTACTGT | TTGTTTTTGT | GATGTTGTTT | 1080 |
| | M G S K L | P V L F | V F V | M L F | | 15 |
| GCTTTAAGTT | CAGCCATTCC | AAACAAGAGA | AGCCATATA | AACCATGCAA | AAACCTAGTC | 1140 |
| A L S S | A I P | N K R | K P Y K | P C K | N L V | 35 |
| CTTTATTTTC | ATGATATACT | TTACAATGGA | AAGAATGCAG | CAAATGCAAC | ATCAGCAATA | 1200 |
| L Y F H | D I L | Y N G | K N A A | N A T | S A I | 55 |
| GTAGCAGCTC | CAGAAGGTGT | TAGTTAACT | AAATTGGCAC | CTCAATCCCA | CTTTGGTAAC | 1260 |
| V A A P | E G V | S L T | K L A P | Q S H | F G N | 75 |
| ATAATAGTTT | TTGATGACCC | TATCACATTA | AGCCATAGCC | TTTCTTCAAA | ACAAGTTGGA | 1320 |
| I I V F | D D P | I T L | S H S L | S S K | Q V G | 95 |
| AGAGCACAAG | GGTTTTATAT | TTATGATACC | AAAAACACAT | ACACTTCTTG | GCTTAGTTTC | 1380 |
| R A Q G | F Y I | Y D T | K N T Y | T S W | L S F | 115 |
| ACTTTTGTTT | TTAATAGCAC | TCATCATCAA | GGAAACCATTA | CTTTTGCTGG | AGGTGACCCA | 1440 |
| T F V L | N S T | H H Q | G T I T | F A G | A D P | 135 |
| ATTGTCGCCA | AAACTAGAGA | TATTTCTGTC | ACTGGTGGTA | CTGGAGATTT | CTTTATGCAT | 1500 |
| I V A K | T R D | I S V | T G G T | G D F | F M H | 155 |
| AGAGGAATTG | CTACTATTAC | CACTGATGCC | TTTGAAGGCG | AGGCTTATTT | TCGACTTGGT | 1560 |
| R G I A | T I T | T D A | F E G E | A Y F | R L G | 175 |
| GTTTACATCA | AGTTCCTTGA | GTGTTGGTAA | CTATCAAATT | AAGTACTACT | TGCTATAGTA | 1620 |
| V Y I K | F F E | C W * | | | | 184 |
| AAACCAATTA | AATTTGAAGT | TAAATTGTTG | TTGTCTCTTT | TCATGTTGTG | TTTTTTAATT | 1680 |
| AATTAGCCCA | GAAAGTATAC | TTTGTACTTT | TTTATTCTCT | AAGATTATTA | TCAATAAATG | 1740 |
| AAGATTCTAT | TAACTATTTT | CTTTTTTTAG | AATAAGCATA | TCACTTTTTT | ATATTGACTT | 1800 |
| ATAAGATAAA | TAAATTCCTG | TCAATATTAT | TTTTCAAACA | ACACAAAAAT | TATAAATGAC | 1860 |
| ATTGAATCGA | CATAAGTAGC | TAAGCACACA | CATGTAAATG | AAACCGTGTA | GGAGGATTGG | 1920 |
| AAGAGTTATT | AGCTGAAGTG | GATGAGGATT | GAGTCTGACA | GTTACTATTT | TCCTAGTCTA | 1980 |
| AAAGTCCATG | GCAAACACCA | TGAGTGCAAA | ACTGGTTGAA | CGTGGGTATA | ACTCAAATCA | 2040 |
| AATAATCTCA | ACAATTTCTT | TTCTTCAAAT | CCTCACATCT | AAAGCTTGTG | ACGAAAATTA | 2100 |
| ATCATAAATG | ATATCTCTTT | GTACTTCTTT | TGTTCTCTGT | | | 2140 |

FIGURE 8 – PRIOR ART

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Pea defensin cDNA sequence DRR230-a
Protein coding sequence is shown in translation.

| | | | | | | |
|-------------|------------|------------|------------|------------|------------|-----|
| GATCACACAA | ACACACATAA | CACATTAAGT | GAAGTGAGTC | ATATTAAGTT | TTTATATTCA | 60 |
| TCACTACTTA | AGAAGCCATG | GAGAAGAAAT | CACTAGCTTG | CTTGTCCTTC | CTCCTCCTCG | 120 |
| | M | E K K S | L A C | L S F | L L L V | 15 |
| TTCTCTTTGT | TGCACAAGAA | ATAGTGGTGA | GTGAAGCAAA | CACATGTGAG | AATTTGGCTG | 180 |
| L F V | A Q E | I V V S | E A N | T C E | N L A G | 35 |
| GTTTCATATAA | GGGAGTATGC | TTCGGTGGAT | GTGACCGTCA | CTGTAGAACA | CAAGAGGGCG | 240 |
| S Y K | G V C | F G G C | D R H | C R T | Q E G A | 55 |
| CAATTAGCGG | CAGATGCAGG | GATGACTTTC | GCTGTTGGTG | CACTAAAAAC | TGTTAAATCC | 300 |
| I S G | R C R | D D F R | C W C | T K N | C * | 72 |
| CTTTTCTCCA | ACACCAACAA | CACCCATATA | TAATACTATA | ATATAAATAA | ATAACAAGT | 360 |
| GTTGTTTCGA | ATTCTATGTG | TGTACTCAAT | ATCGTGTATA | ACGTGTTTGT | TATGCACTTT | 420 |
| TATCATATCA | TATGGAATAA | AAAGTAATCA | ATCATTTTCT | TTCCAAAA | | 468 |

FIGURE 9 – PRIOR ART